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| <p>01143 J/47 A89 G06 P81 NIPQ 09.04.81 DAINIPPON PRINTING KK *J57168-204 09.04.81-JP-053676 (16.10.82) C08j-07 G02b-05/30 G02f-01/13 Prodn. of polariser film having patterned polarising area - involves ir aiment of ion-treated, oriented polymer film with sublimable dichroic dye obtd. from heated supporting base</p> | <p>A(9-A2, 11-A1B, 11-C4D, 12-L3, 12-S6B)</p> | <p>390</p> |
| <p>09.04.81 as 053676 (173GW) In the prodn. of a polariser film, an oriented polymer film is lon- treated in gas phase, and the film is then exposed to the vapour of a sublimable dichroic dye supplied from a heated supporting bas (sheet, cylindrical roll with a heating device, or endless film) on which the dye is supported as a uniform layer or as a patterned layer. The process permits fabrication of multicolour polariser film having patternised polarising area. No masking and mask- removing step is necessary, and transfer of the dichroic dye(s) can be made in dry process. In an example, an oriented polymer film is pretreated by corona discharge (or plasma) treatment, and then brought into contact with the supporting sheet on which a patternised dichroic dye is supported. The film and the supporting sheet are kept in contact with each other, and are pressed by means of a plate and an heating plate. The sublimable dye on the supporting sheet is sublimation-transferred to the oriented plastic film to form the patternised polariser. (4pp)</p> | | |